

ABSTRACT

Slave stations (20-1 - 20-3) detect whether the buffer
resident quantity in a buffer (25) is equal to or larger
than a predetermined threshold. Each slave station
5 comprises a buffer resident detection section (26) for
notifying the detected results to a PT changing section (24).
The PT changing section (24) changes the PT's in the ATM
headers of the ATM cells which have been read out from the
buffer (25) when there is a notification from the buffer
10 resident detection section (26) that the buffer quantities
are equal to or larger than the predetermined threshold.
A master station (10) comprises a PT extracting section (13)
for extracting PT's in ATM cells, and a shared-band
allocation section (12) which generates pieces of band
15 allocation information for slave stations (20-1 - 20-3) for
sending the ATM cells which the PT extracting section (13)
has extracted, and simultaneously broadcasts pieces of the
band allocation information to each slave station (20-1 -
20-3) for band allocation control of each slave station (20-1
20 - 20-3).

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